

Date: Tue, 15 Mar 94 00:34:27 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #289
To: Info-Hams

Info-Hams Digest Tue, 15 Mar 94 Volume 94 : Issue 289

Today's Topics:

 1x1 Callsigns?
 2m/70cm stub duck wanted
 Alliance 5-wire Rotor Motor Questions
 Best cars for mobile HF/VHF??
 Chest Harness
 HELP: Hallicrafters Model S-76. SSB no good! (3 msgs)
 IPS Daily Report 14 March 94
 Mods for FT-416
 need extra class book and tape recommendation
 Parts for Heathkit???
 PS/2 into Repeater Controller
 Russian Robinson Award
 TM-732 or FT-5100?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Mar 94 21:54:12 GMT
From: dog.ee.lbl.gov!ihnp4.ucsd.edu!pacbell.com!news@ucbvax.berkeley.edu
Subject: 1x1 Callsigns?
To: info-hams@ucsd.edu

In article <1994Mar10.223223.13794@arrl.org>, <ehare@arrl.org> writes:
> Newsgroups: rec.radio.amateur.misc
> Path:
pacbell.com!sgiblab!wetware!spunky.RedBrick.COM!psinntp!psinntp!arrl.org!ehare
> From: ehare@arrl.org (Ed Hare (KA1CV))

> Subject: Re: 1x1 Callsigns?
> References: <2lnm9t\$643@jericho.mc.com>
> Organization: American Radio Relay League
> Date: Thu, 10 Mar 1994 22:32:23 GMT
> X-Newsreader: TIN [version 1.2 PL2]
> Message-ID: <1994Mar10.223223.13794@arrl.org>
> Lines: 19
>
> Bob Levine (levine@mc.com) wrote:
>
> : Has anyone seen anything in print about whether the vanity
> : callsign program (someday) might allow 1x1 calls?
>
> : (for info, a 1x1 is like K1X)
>
> Well, I want *my* call to be "K".
>
> Actually, international agreements and regulations do not
> allow a 1X1 format; 1X2, 2X1, 2X2, 1X3 or 2X3 only,
> JY1 notwithstanding. :-).
>
> 73 from ARRL HQ, Ed
> --
> Ed Hare, KA1CV, ARRL, 225 Main St, Newington, CT 06111 203-666-1541
> Laboratory Supervisor, Product Testing, RFI ehare@arrl.org
> My electronic posts and email do not necessarily represent the policy
> of the, ARRL, but I can probably get in trouble for them anyway!
How about some information on what the vanity callsign program is and what
stage of proposal or reality is it. Does that mean I could get back an
old call I held if it hasn't been reassigned??

Jeff

Date: 14 Mar 1994 19:23:13 GMT
From: ihnp4.ucsd.edu!mvb.saic.com!news.cerf.net!usc!howland.reston.ans.net!
noc.near.net!jericho.mc.com!fugu!levine@network.ucsd.edu
Subject: 2m/70cm stub duck wanted
To: info-hams@ucsd.edu

-->You might try to obtain a yaesu 470 antenna. Order from yaesu as a
-->replacement part. The 530 antenna is well known around here as a designer
-->dummy-load. The single band antennas will always perform better than the
-->dual-band compromisers.

-->
-->Bob
-->

-->
-->--
--> Bob Wilkins work bwilkins@cave.org
--> Berkeley, California home rwilkins@ccnet.com
--> 94701-0710 play n6fri@n6eeg.#nocal.usa.noam

Maybe you mean the very early ones that Yeasu shipped.

The more recent one supplied with the FT530 seems to work very nicely. I'd say it is second only to the Diamond R77 in my collection. That one seems to be king of the duckie dual banders.

Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP
levine@mc.com <--Internet email Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599

Date: 14 Mar 94 21:11:57 GMT
From: gatekeeper.us.oracle.com!sgiblab!rtech!ingres!kerry@decwrl.dec.com
Subject: Alliance 5-wire Rotor Motor Questions
To: info-hams@ucsd.edu

In article <CSLE87-100394170722@145.39.1.10> CSLE87 (Karl Beckman) writes:

>In article <1994Mar10.145901.65354@yuma>, galen@picea.CFNR.ColoState.EDU
>(Galen Watts) wrote:

>

>> I've acquired an Alliance rotor motor with no control box. The rotor
>> takes 5 wires, has the rotating mast thru the body and the mast top clamp
>> on the side of the case. I've been told this style is often used as an
>> altitude rotor on Satellite setups.

>> Questions:

>> 1. What voltage does it take to turn the motor? AC or DC?

>

>24 VAC, about 40 watt xfmr (to be safe for more than 2% duty cycle). You
>drive one motor lead directly against ground and the other through a
>capacitor of about 10 mfd at 200 VAC.

>

Anyone have experience running a rotator with a power inverter?

The specific question is will one of the smaller rotors work with the

\$100/200W units? Primary interest is use a backup power supply (marine battery) for emergency services. I know that some of the cheaper inverters only put out square waves. Does this cause a problem?

Thanks in advance.

forward, or email
kerry@ingres.com

Date: Mon, 14 Mar 94 23:35:58 GMT
From: butch!enterprise!news@uunet.uu.net
Subject: Best cars for mobile HF/VHF??
To: info-hams@ucsd.edu

In article <2lor4d\$krj@brahms.udel.edu>, penneys@brahms.udel.edu (Robert Penneys) writes:

|> I need to replace a car and want one which 100 watts or so of HF and 50 watts
|> or so of 2 meters or 440 will not interfere with the electronics af the
|> vehicle. Nor do I want ignition or other noise beyond the bare minimum.
|>
|> In consideration are four door sedans from the size of a Corolla up to that
|> of a Taurus. or perhaps a minivan or small pickup. Replacing a Ford
|> Aerostar.
|>
|> Will listen to all viewpoints. Tnx a million. Bob
|> --
|> Bob Penneys, WN3K Frankford Radio Club Internet: penneys@pecan.cns.udel.edu
|> Work: Ham Radio Outlet (Delaware) (800) 644-4476; fax (302) 322-8808
|> Mail at home: 12 East Mill Station Drive Newark, DE 19711 USA

My father uses a TS 50 and an IC901 in his taurus. only noise is slight alt whine on the 901. Only effect caused by xmitting is changing the speed of the key-in-ignition chime when xmitting on 440. He's happy with car.

Of course I hold onto my old 71 VW bus. Point ignition, generator, etc. all waay in the back, entire body grounded, lotsa room for rigs, etc. I'd hate to lose that car!

George Lyle, N7TNJ/6

Date: Sat, 12 Mar 94 19:41:00 -0600
From: ihnp4.ucsd.edu!swrinde!menudo.uh.edu!nuchat!cld9!greg.pool@network.ucsd.edu
Subject: Chest Harness

To: info-hams@ucsd.edu

DB>A few years ago, at a cross-country ski center, I saw an employee with a
DB>handheld radio attached to his chest with some sort of harness. It held
DB>the radio at a diagonal angle such that the antenna (VHF duck) pointed at
DB>his left shoulder and the base of the radio pointed at the right side of
DB>his waist.

Yah! I used one when I was fighting fire for the Hawaii Volcanoes
National Park and it was a dream. I always had my hands free for
whatever. But when I was pau with that job, I couldn't find the same
kind of harness anywhere for Amateur Radio uses (and I didn't think to
slip one in my pack when I left, hi)...

DB>Does anyone have any information?

...until I looked in the back pages of a QST. Try the EMARS group and
their chest harness (\$29.95 + \$3.50 S/H). I bought one and it is
very well-made. I use it primarily when biking but also emergency
communications (I haven't made it up to the Sierra this year to test it
for cross country skiing, but your message made me think twice). For an
info sheet, call 210-493-7546. Their address is EMARS, PO Box 781204,
San Antonio TX 78278.

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```

Aloha+73 de Greg Pool
273 San Bernabe Drive
Monterey CA 93940-6123

Internet: greg.pool@nitelog.com
Amateur: wh6dt@k6ly.#nocal.ca.usa.noam
Phone: (408) 372-5564

OLX 2.1 TD I brake for lava!
[R2.00o] Usenet Nitelog BBS Monterey CA 408-655-1096

Date: Mon, 14 Mar 1994 20:52:38 GMT
From: ihnp4.ucsd.edu!pacbell.com!att-out!cbfsb!cbnewsf.cb.att.com!
cropley@network.ucsd.edu
Subject: HELP: Hallicrafters Model S-76. SSB no good!
To: info-hams@ucsd.edu

This weekend my Brother-in-law "dug-out" (literally) a SW radio Hallicrafters S-76. It is a 9 tube unit double conversion Superhetrodyne receiver.

I threw on a single long wire (will improve this later) and turned it on lo and behold it warmed and started to work. My B-in-L estimated that the unit wasn't powered up for AT LEAST 15 years .

I jumped to the 80 meter band and recieved CW fine. however when I went up in the band to do SSB I go lots of signals but they were all distorted/muffled

The unit has a switch for either CW or AM reception. The manual says that if I use the narrowest (sharp) filter and tune in the station then switch to the widest filter it will then be ok for SSB reception.

The afore mention switch engages a BFO when switched to CW mode, but I didn't read anything about AM.

Has anyone used one of these old birds?? Has modern technology of todays transmitters made this units SSB or Psuedo-SSB capabilities a thing for the muesum shelf (although it work fine for CW!!)? Maybe something is lacking due to age or lack of use??

Many thanks for reading

Andy Cropley

cropley@cbnewsf.att.com

Date: 15 Mar 94 04:14:26 GMT
From: sdd.hp.com!col.hp.com!srigenprp!alanb@hplabs.hp.com
Subject: HELP: Hallicrafters Model S-76. SSB no good!
To: info-hams@ucsd.edu

andrew peter.cropley (cropley@cbnewsf.cb.att.com) wrote:

: This weekend my Brother-in-law "dug-out" (literally) a SW radio
: Hallicrafters S-76. It is a 9 tube unit double conversion Superhetrodyne
: receiver. ...

: I jumped to the 80 meter band and recieved CW fine. however when I went up
: in the band to do SSB I go lots of signals but they were all distorted/muffled

: The unit has a switch for either CW or AM reception. The manual says that if
: I use the narrowest (sharp) filter and tune in the station then switch to
: the widest filter it will then be ok for SSB reception.

:

: The afore mention switch engages a BFO when switched to CW mode, but I
: didn't read anything about AM. ...

You are probably overdriving the detector. With the BFO on, the AGC
doesn't work, so the incoming signal can easily overdrive the detector.
(It's not a problem on CW since distortion doesn't affect copyability.)
Try turning down the RF gain control.

AL N1AL

Date: Tue, 15 Mar 1994 01:40:18 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!
usc!howland.reston.ans.net!vixen.cso.uiuc.edu!uchinews!quads!
dwarmstr@network.ucsd.edu
Subject: HELP: Hallicrafters Model S-76. SSB no good!
To: info-hams@ucsd.edu

In article <CMo9zq.Jvo@cbfsb.cb.att.com> cropley@cbnewsf.cb.att.com (andrew
peter.cropley) writes:

>This weekend my Brother-in-law "dug-out" (literally) a SW radio
>Hallicrafters S-76. It is a 9 tube unit double conversion Superhetrodyne
>receiver.

[snip]

> I jumped to the 80 meter band and recieved CW fine. however when I went up
>in the band to do SSB I go lots of signals but they were all distorted/muffled
>

> The unit has a switch for either CW or AM reception. The manual says that if
>I use the narrowest (sharp) filter and tune in the station then switch to
>the widest filter it will then be ok for SSB reception.

>

[snip]

> Many thanks for reading
> Andy Cropley
> cropley@cbnewsf.att.com

I have an old Hallicrafters like yourself. The SSB reception
is very touchy. CW mode is right, but you then need to use the band
spread knob to very carefully adjust the frequency. The pitch control
also helps on this.

Date: Mon, 14 Mar 1994 23:21:05 GMT
From: ihnp4.ucsd.edu!munnnari.oz.au!newshost.anu.edu.au!sserve!usage!metro!ipso!
rwc@network.ucsd.edu
Subject: IPS Daily Report 14 March 94

To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 14/2330Z MARCH 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 14 MARCH AND FORECAST UP TO 17 MARCH

No warning is current.

1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 087/030

1B. SOLAR FORECAST

| | 15 March | 16 March | 17 March |
|----------|---------------|---------------|---------------|
| Activity | Very low | Very low | Very low |
| Fadeouts | None expected | None expected | None expected |

Forecast 10.7 cm flux/Equivalent Sunspot Number : 090/034

1C. SOLAR COMMENT

None.

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth : unsettled to active

| Estimated Indices : | A | K | Observed A Index 13 March |
|---------------------|----|-----------|---------------------------|
| Learmonth | 20 | 3432 4434 | |
| Fredericksburg | 18 | | 21 |
| Planetary | 25 | | 22 |

2B. MAGNETIC FORECAST

| DATE | Ap | CONDITIONS |
|--------|----|----------------------|
| 15 Mar | 15 | Unsettled to active. |
| 16 Mar | 12 | Unsettled. |
| 17 Mar | 10 | Quiet to unsettled. |

2C. MAGNETIC COMMENT

None.

3A. GLOBAL HF PROPAGATION SUMMARY

LATITUDE BAND

| DATE | LOW | MIDDLE | HIGH |
|--------|--------|--------|-------------|
| 14 Mar | normal | normal | fair-normal |

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

LATITUDE BAND

| DATE | LOW | MIDDLE | HIGH |
|--------|--------|--------|------|
| 15 Mar | normal | normal | fair |
| 16 Mar | normal | normal | fair |
| 17 Mar | normal | normal | fair |

3C. GLOBAL HF PROPAGATION COMMENT

NONE.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were slightly above predicted monthly values

Observed T index for 14 March: 45

Predicted Monthly T Index for March is 40.

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

| DATE | T-index | MUFs |
|--------|---------|--------------------------------|
| 15 Mar | 35 | Near predicted monthly values. |
| 16 Mar | 40 | Near predicted monthly values. |
| 17 Mar | 40 | Near predicted monthly values. |

4C. AUSTRALIAN REGION COMMENT

None.

--

IPS Regional Warning Centre, Sydney
 email: rwc@ips.oz.au
 tel: +61 2 4148329
 fax: +61 2 4148331

|IPS Radio and Space Services
 |PO Box 5606
 |West Chatswood NSW 2057
 |AUSTRALIA

Date: 14 Mar 94 14:34:43 CST

From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!ncar!uchinews!cdsmaill!
 timbuk.cray.com!hemlock.cray.com!walter.cray.com!bexar.cray.com!
 user@network.ucsd.edu

Subject: Mods for FT-416

To: info-hams@ucsd.edu

Would some kind sole please mail/post any/all mods for a Yaesu FT416...
 Or let me know where I can get them.... (ftp.std.com didn't have any)

Many thanx,
- Tom Baltz
trb@cray.com

Date: 15 Mar 94 04:28:52 GMT
From: dog.ee.lbl.gov!ihnp4.ucsd.edu!library.ucla.edu!news.ucdavis.edu!
chip.ucdavis.edu!ez006683@ucbvax.berkeley.edu
Subject: need extra class book and tape recommendation
To: info-hams@ucsd.edu

Jerry Sy (ah301@yfn.ysu.edu) wrote:
: I am thinking of upgrading to extra, any recommendations as to
: which book, tapes, software (mac or pc) to use as study guide ?
I just took 3b and 4a this weekend. I went to look at the available exam
prep books today (neat coincidence). Anyway the W5yi stuff was really
nothing but the questions and answers with just a little bit about the
reasons or process. The AMECO books were slightly more indepth with
regard to the answers. The ARRL book was definitely the way to go. It is
organized with all the theory and regs in the front of the books with the
appropriate questions listed at the end of the section so you can look at
the exact questions.

I bought the ARRL book. Can't give a recommendation for tapes though, I
am trying to use Super Morse. Still haven't passed 1b or 1c yet.

cheers,
Dan

--

* Daniel D. Todd Packet: KC6UUD@KE6LW.#nocal.ca.usa *
* Internet: ddtodd@ucdavis.edu *
* Snail Mail: 1750 Hanover #102 *
* Davis CA 95616 *

* All opinions expressed herein are completely fictitious any *
* resemblance to actual opinions of persons living or dead is *
* completely coincidental. *

Date: 14 Mar 1994 18:08:14 -0500
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!uwm.edu!msuinfo!news.mtu.edu!
news.mtu.edu!not-for-mail@network.ucsd.edu
Subject: Parts for Heathkit???

To: info-hams@ucsd.edu

Date: 14 Mar 1994 21:48:41 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!usenet.ins.cwru.edu!slc6!trier@network.ucsd.edu
Subject: PS/2 into Repeater Controller
To: info-hams@ucsd.edu

In article <Anthony_Pelliccio-140394143004@138.16.64.52>,
Tony Pelliccio <Anthony_Pelliccio@brown.edu> wrote:
>Actually it could be done. You'll need some sort of card that will allow
>you to control relays, etc.

Plug them into the parallel port. Optoisolation is a good idea, but
beyond that, control is pretty direct. The serial port control lines
are also handy.

Stephen

--
Stephen Trier KB8PWA "It don't mean a thing if it ain't got that
Other: trier@ins.cwru.edu certain je ne sais quois."
Home: sct@po.cwru.edu - Peter Schickele

Date: Mon, 14 Mar 94 19:10:42 +0300
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!pipex!uknet!EU.net!news.eunet.fi!news.spb.su!KremlSun!kiael
relcom!demos1!dnews-server@network.ucsd.edu
Subject: Rassian Robinson Award
To: info-hams@ucsd.edu

>From postmaster Fri Mar 11 19:40:06 MSK 1994
Status: 0

The Russian Robinson Club issued diploma

" RUSSIAN ROBINSON AWARD " .

This diploma is issued for QSO/SWL with amateurs on island
belonged to Russia. The diploma has got 3 classes:

1 class: 20 different stations on 10 different islands.

2 class: 16 different stations on 8 different islands.
3 class: 10 different stations on 6 different islands.

Each QSO counts double for HAMS or SWLs located on island.
Date of QSO, bands and modes are not limited.

Fee of each class is 12 IRC or 6 US dollars, fee of list
of Russian islands with their numbers (RRA list) is 2 IRC
or 1 US dollar or equivalent.

Send GCR list and QSL photocopy by registered letter and fee
to award manager RW3GW via RRC Headquarters in the USA:

"UTC, Ltd", (RRC), 218 Goddard Row, Newport, RI-02840, USA

or: " RRA " Manager RW3GW V. Sushkov.
via (I1HYW, box1, 10066, Panealieri, Italy)

--

Albert (RV3GW)
< ***** Russian Robinson Club, #34 ***** >
pse will send only personal E-mail addr.

Date: Mon, 14 Mar 1994 22:07:16 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!cs.utexas.edu!
asuvax!pitstop.mcd.mot.com!mcdphx!jaj@network.ucsd.edu
Subject: TM-732 or FT-5100?
To: info-hams@ucsd.edu

> I am having a hard time deciding between the Kenwood TM-732
> and the Yaesu FT-5100. Can anyone give me their opinion.

Jon,

If you live in a metropolitan area then I recommend that you NOT buy a TM-732. I
live in Dallas and had to get rid of mine in less than a year.

It is a feature-laden radio, but it has poor rejection. As a result you hear lots
of "intermod", even with CTCSS decode turned on. If you look at the service
manual, there is only one adjustment pot in the receiver, which only helped the
problem by deafening the receiver to the point of unusability.

In the home or in rural areas it would work fine. In heavy RF environments it
becomes very annoying. I have at least 6 friends with the same radio and the same

problem, but since they don't go downtown very often they have just put up with the occasional racket. I couldn't. I bought a TM-742 that has individual band modules and it works great. (See, I'm not anti-Kenwood!)

I don't know anything about the Yaesu FT-5100. Hope this helps.

John

--

| | | | |
|-------------------------|-------|----------|---------------------------------------|
| John A. Johnson | N5NHH | \ | "A spare tube & a radio - don't leave |
| Systems Engineer | | \ _ _ o | home without them!" |
| Motorola Computer Group | | _ ' \< _ | |
| Dallas, Texas | | (*)/'(*) | jaj@dal.mcd.mot.com |

Date: (null)

From: (null)

Thanks!

Matt Adair

mladair@mtu.edu

Date: Mon, 14 Mar 1994 21:43:55 GMT

From: ihnp4.ucsd.edu!usc!sol.ctr.columbia.edu!usenet.ucs.indiana.edu!

reid.ucs.indiana.edu!reid@network.ucsd.edu

To: info-hams@ucsd.edu

References <1994Mar11.135613.16379@ke4zv.atl.ga.us>,

<2lqm7q\$qi5@slinky.cs.nyu.edu>, <1994Mar14.192252.23277@worldbank.org>

Subject : Re: Best cars for mobile HF/VHF??

My VW Diesel (now long gone) was an excellent radio platform. It was almost noise-free (slight alternator whine), and had a huge battery. Using LORAN-C (which is very noise-sensitive) in the Diesel was no problem.

Almost everything in my '93 Toyota truck makes RFI, including the cruise control, heater fan and wipers. The major problem I've found with new cars (with the possible exception of vans) is that there's no place to mount radios.

--

Frank reid@ucs.indiana.edu W9MKV

End of Info-Hams Digest V94 #289
